

### ***Abstract of the Disclosure***

A system for assisting in the diagnosis of errors in manufacturing machinery is disclosed wherein sensors are associated with the machinery at monitoring zones for detecting errors and generating sensor signals representing the errors. Video cameras are located at monitoring zones associated with specific sensors. A computer readable medium is in communication with the cameras for receiving video of the process. A set of computer readable instructions are embodied within the computer readable medium for receiving input selecting machine sensors and cameras, triggering, and producing the pre-event and post-event videos for the trigger signals. Operating instructions are for continuously storing video output in temporary memory, receiving sensor signals, and processing the sensor signals to determine if a trigger signal is required. After a trigger signal, video is copied from temporary memory into permanent memory to provide the pre-event video, and post-event video is recorded and stored in permanent memory.